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NEW YORK STATE
AGRICULTURAL EXPERIMENT STATION
GENEVA, NEW YORK

REGIONAL PLANT INTRODUCTION STATION

VEGETABLES AND ORNAMENTALS
DESCRIPTIVE NOTES

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SEED AVAILABLE

1969 SEASON

NEW YORK STATE AGRICULTURAL EXPERIMENT STATION
REGIONAL PLANT INTRODUCTION
GENEVA, NEW YORK

SEED AVAILABLE and DESCRIPTIVE NOTES

1969 Season

VEGETABLES and ORNAMENTALS

NORTHEASTERN REGIONAL PROJECT NE-9
14 Agricultural Experiment Stations

Cooperating with

NEW CROPS RESEARCH BRANCH
AGRICULTURAL RESEARCH SERVICE
U.S. DEPARTMENT OF AGRICULTURE

Released 1970

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INTRODUCTION

Plant introductions herein listed are available from the Regional Plant Introduction Station, Geneva, New York. All were grown and increased during the past year. Notes were taken, as completely as possible, on horticultural characters and on disease and insect resistance. Ratings indicating resistance or tolerance do not imply that all plants in the row were uniform for this character. Photographs of many introductions may be borrowed from the Regional Station.

It is hoped that these notes may aid breeders in selecting plant materials for research projects.

Those receiving seeds may assist our program by reporting the merits and uses of plant introductions to the Regional Station.

Catalogs issued in 1954 through 1969 are on file with each Regional Representative and at each State University Library. Seed of all introductions previously listed are still available.

A similar catalog of forage legumes and grasses is sent in alternate years to all forage crop breeders.

INTRODUCTION

Plant introductions herein listed are available from the Regional Plant Introduction Station, Geneva, New York. All were grown and introduced during the past year. Notes were taken, as completely as possible, on horticultural characters and on disease and insect resistance. Entries indicating resistance or tolerance do not imply that all plants in the row were uniform for this character. Photographs of early introductions may be borrowed from the Regional Station.

It is hoped that these notes may aid foresters in selecting plant materials for research projects.

Those receiving needs may assist our program by reporting the names and uses of plant introductions to the Regional Station.

Catalogs issued in 1955 through 1960 are on file with each Regional Representative and at each State University library. Each of all introductions previously listed are still available.

A similar catalog of foreign legumes and grasses is kept in effect here for all foreign crop foresters.

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ALLIUM CEPA

1969 Descriptions and Evaluations

Seeds treated with Arasan 75. Seeded in bands in flats, 90 seeds/accession 2/25/69. Set in field 5/13/69, 30 sets per accession. Spacing 4' x 3.5" + 4'. Fertilizer 640 lb. 10-20-20/A. Notes taken 8/11-12/69.

Col. 3	Uniformity:	9=very uniform	5=medium	1=poor
Col. 4	Vigor	9=most	5=medium	1=poor
Col. 5	Plant height in inches			
Col. 6	Number of leaves per plant			
Col. 7	Amount of bloom	9=heavy		
Col. 8	Number of broken leaves		5=medium	1=least
Col. 9	Maturity	9=very early		
Col. 10	Neck length and diameter in centimeters		5=medium	1=very late
Col. 12	Bulb depth and diameter in centimeters			
Col. 14	Bulb shape	g=globe		
Col. 15	Bulb color	r=red	f=flat	o=oval
Col. 16	No. Loose Scales	9=many	d=dark	y=yellow w=white
Col. 17	Root length in centimeters		5=medium	l=few
Col. 18	Root size:	c=coarse	m=medium	f=fine

P.I.No.	Orig.	Unif.	Vig.	Ht.	#		Lvs.	Broken	Neck		Bulb				Root Lgth. Sz.	
					Lvs. / Amt.	Plt. Blm.			Mat.	Lgth. x Dia.	Dpth. x Dia.	Shp.	Col.	# Loose Scale		
173619	Tur.	6	7	19	14	5	5	5	1.5	2.3	4.5	6.7	g	r&w	5	3.8 m
	3 broken necks.															
174021	Tur.	6	5-7	21	11	7	2	4	4.0	2.2	5.0	4.8	g	y	5	6.8 m
	2 broken necks.															
174022	Tur.	7	5-7	22	6	6	5	5	3.2	1.7	5.0	6.5	9	r	6	7.0 m
	2 broken necks.															
175036	India	5	4	17	8	2	2	5	4.0	1.8	6.3	6.5	g	r&w	5	4.5 f-m
	10 broken necks.															
175569	Tur.	9	27	18	5	4	4	4	4.2	3.4	3.4	5.2	g	r&w	2	8.5 c
	One plant; 4 bulbs.															
175571	Tur.	7	8	23	11	5	4	5	7.0	1.8	5.0	6.1	g	w&r	5	6.5 m
	3 broken necks; one bolted.															
176400	Tur.	7	9	30	12	7	6	6	3.3	2.5	5.2	7.2	y	y	4	4.5 m
	2 bolted; 9 broken necks.															
176856	Tur.	5	6	19	9	5	1	5	6.3	2.3	6.0	4.9	g	r&w	4	5.1 m
	4 plants; 2 broken necks.															
177245	Tur.	5	8	21	13	7	2	6	5.0	2.4	4.5	6.7	g	r	5	6.3 m
	20 broken necks; one multiplier.															
178018	Tur.	6	5	19	8	6	6	5	4.2	1.4	4.0	5.8	g	r&w	4	5.7 f-m
	12 broken necks; several red bulbs. 'Kirik.'															
181008	India	5	5	19	13	3	4	5	5.1	2.5	5.3	5.7	g	r&w	6	6.4 f-m
	2 broken necks.															
182138	Tur.	5	7	20	9	3	4	6	5.0	1.6	6.0	6.5	g	br& r&w	6	4.5 m
	16 broken necks; 1 bolted 8/12/69.															
183288	India	5	5	16	19	5	5	5	3.2	2.0	5.3	5.5	g	r	3	6.7 m
	2 plants.															
205162	Tur.	5	5-8	23	7	7	8	5	2.5	1.5	5.1	5.9	g	y	5	5.5 m-c
	16 broken necks.															
207456	Afgh.	7	8	24	9	6	6	6	6.5	2.4	5.5	6.6	g	dk r	6	8.2 m
	19 broken necks.															
210993	Afgh.	7	7	22	15	7	7	7	4.5	3.0	5.6	10.0	fl	r	6	8.1 c
	7 plants															
210994	Afgh.	8	8	22	13	8	7	6	5.0	2.0	5.3	8.2	fl	r	6	6.8 m-c
	9 broken necks.															

P.I.No.	Orig.	Unif.	Vig.	Ht.	#		Lvs. / Amt.	Broken Lvs.	Neck		Bulb				Root Lgth. Sz.		
					Plt.	Blm.			Mat.	Lgth. x Dia.	Dpth. x Dia.	Shp.	Col.	# Loose Scale			
211575	Afgh.	4	5-9	24	8	7	7	8	4-5	2.5	6.0	9.6	f1	r -	5	9.2	c
3 broken necks; 1 bolted.																	
212587	Afgh.	4	3-6	16	7	3-7	3	6	3.5	2.0	5.3	7.2	g	r br	6	6.7	f-m
10 broken necks; 1 bolted.																	
223327	Iran	6	6	19	8	5	2	5	5.0	2.0	5.3	6.4	g	r&w	5	6.4	m
5 plants; 2 broken necks.																	
292163	Iran	4	5-8	22	15	5-7	4	6	3.0	2.0	4.8	8.2	f1	w	3	7.6	m
4 bolted; 8 broken necks.																	
294456	Gr.Brit.	6	4-8	20	9	5	7	7	4.5	2.5	6.9	7.8	g 9	y	6	6.8	c
1 broken neck.																	

Standard cultivars included for comparison

G-18542	Harris	6	9	21	7	4	7	8	4.6	2.3	8.2	7.4	g	y	4	7.8	m-c	
	Downing Yellow Globe.	16 broken necks; very attractive bulb.																
G-18543	Harris	6	8	22	9	3	7	7	4.0	1.8	7.5	7.3	g	y	5	6.4	c	
	Elba Globe.	21 broken necks; one in bloom 8/12/69.																
G-18545	Harris	7	9	23	9	5	7	7	6.0	2.3	7.6	6.5	g	dr	r	5	6.7	m-c
	Southport Red Globe.	19 broken necks.																
G-18544	Harris	8	9	24	10	7	8	5	5.5	2.0	5.1	6.2	g	w	3	6.1	f-m	
	White Portugal or Silverskin.	26 broken necks.																

APIUM GRAVEOLENS
APIUM GRAVEOLENS var. RAPACEUM

Seeds treated with Arasan 75. Seeded in greenhouse 3/6/69, 60 seeds per accession.
Pricked off 4/1/69, 20 plants/accession. Set in field 5/15/69. Block No. IV.
Spacing 4' x 1' + 4'. Fertilizer 640 lb. 10-20-20/A.

Col. 3	Uniformity	9=very	5=medium	1=least
Col. 4	Habit	9=very erect	5=medium	1=prostrate
Col. 5	Vigor	9=most	5=medium	1=least
Col. 6	Height of plant in inches			
Col. 7	Width of plant in inches			
Col. 8	Crown width in inches			
Col. 9	Petiole length in inches			
Col. 10	Petiole diameter in centimeters			
Col. 11	Number of petioles			
Col. 12	Number of split petioles			
Col. 13	Color of petioles	m=medium green	pr=purple	1 gn = light green d or dk=dark
Col. 14	Petiole hollow or solid			
Col. 15	Leafiness	9=very leafy	5=medium	1=sparingly foliated
Col. 16	Leaf color	m-dk=medium-dark green	gy=gray	gn=green lt=light
Col. 17	Keeping Quality	9=excellent	5=medium	1=poor

Petiole

P.I.No.	Orig.	Unif.	Hab.	Vig.	Ht.	Wth.	Crown		Lgth. (in.)	Dia. (cm)	No.		Hollow	Lfy.	Leaf Color	Keep. Qual.
							Wth.	Apium graveolens			No.	Split				
175591	Tur.	6	1-5	9	11	28	2.25	17.25	1.0	7	1	m	hollow	8	m-dk	6
	Resembles celeriac.															
196831	Ethio.	7	1-6	7	16	23	3.25	17	1.1	8	1	m	solid	7	lt-m	5
222702	Iran	3	1-7	7	17	24	2.5	17	.9	5	1	pr&m	gn hollow	4-7	m gv-gn	5
	Resembles celeriac.															
223333	Iran	7	1-7	8	19.5	33	3	20	.9	5-7	1	pr&l	gn hollow	3-7	1' gv-gn	6
	Resembles celeriac.															
226624	Iran	7	1-6	7	16	26	3.5	17.5	.8	5-7	1	m	solid	7	m	7
229526	Iran	7	1-5	7	17	26	2.5	19.5	.7	6	1	pr&m	gn hollow	3-7	m gv-gn	7
	Resembles celeriac.															
234596	Austral.	7	4-7	7	16.5	28	3.25	17.5	1.2	8	1	m	solid	7	m-dk	5
	'South Australian White'															
234597	N. Zeal.	8	4-7	8	14	23	2.5	15	1.5	8	1	dk	solid	9	m-dk	5
285546	Pol.	8	1-7	7	13	20	2	14.5	1.0	6	1	pr&d	gn hollow	6	d gv-gn	5
	'Jablkowy' Resembles celeriac.															
289691	Austral.	7	1-6	8	18	29	2.5	19	1.2	7	1	m-dk	solid	7	m-dk	5
	'South Australian White'															
320994	Taiwan	6	1-7	7	31	24	3	31	.9	7	1	lt-m	hollow	6	lt-m	
	'Hainan' Seven plants, all plants in flower, resembles celeriac.															
320995	Taiwan	7	1-8	7	29	21	1.5	29	1.0	5-7	1	lt-m	hollow	7	lt-m	
	'Huang Hsinlate' Resembles celeriac, all plants in flower.															
320996	Taiwan	6	1-8	7	37	19	1	38	1.0	4-7	1	lt-m	hollow	5	lt-m	
	'Huang Hsin Medium Early' All plants in flower, resembles celeriac.															
<u>Apium graveolens var. rapaceum</u>																
164944	Tur.	7	2-6	8	16	32	2	19	1.2	8	1	m	hollow	8	lt-dk	7
168995	Tur.	8	1-6	7	16	29	2.5	17	1.1	9	1	pr &	hollow	9	lt-m	6
											m-d gn					
168996	Tur.	7	1-6	7	29	31	2.5	22	1.2	8	1	m-dk	hollow	8	m-dk	8
169000	Tur.	8	2-5	8	16	22	2.5	17	1.2	8	1	m	hollow	7	lt-dk	8
169001	Tur.	7	2-5	8	15	31	2.5	17	1.0	9	1	m-dk	hollow	8	m-dk	8
169005	Tur.	6	2-7	8	17	24	2.5	13	1.0	9	1	lt-m	hollow	9	lt-m	8
171499	Tur.	5	1-6	8	19	33	2.5	22	0.9	8	1	m	hollow	9	m	7

P.I.No.	Orig.	Unif.	Hab.	Vig.	Ht.	Wth.	Crown Wth.	Petiole				Lfy.	Leaf Color	Keep. Qual.	
								Legth. (in.)	Dia. (cm)	No. Split	Hollow Solid				
Apium graveolens var. rapaceum (cont.)															
172725	Tur.	4	1-5	5	16	31	4	17	0.7	4-7	1 pr&l-m gn	hollow	2-4	lt-m	7
176417	Tur.	6	1-7	7	17	28	2.5	19	1.0	8	1 pr& gn	hollow	7	m	8
179171	Tur.	7	1-8	7	16	28	1.5	18.5	1.2	7-9	3 pr&m gn	hollow	8	m-dk	8
181714	Tur.	6	1-6	5-8	16	30	3.5	19	0.5-1.0	9	1 lt m gn	hollow & solid	8	lt-dk	8
254539	Iraq	5	1-7	5-8	20	30	2.5	21	0.8	8	1 pr& gn	hollow	6	lt-m	8
257228	Thai.	6	1-7	7	29	22	1.5	28	0.9	4	1 m-dk	hollow	6	m-dk	
261001	Tur.	5	1-6	4-7	16	29	2.5	17	0.8	9	1 pr& gn	hollow	8	m-dk	7
261756	Belg.	5	1-6	6-8	16	24	3	17	0.9	7-9	1 m	hollow & solid	8	m-dk	
Four plants in row have lt-m leaves and appear different; also smaller petioles - 11" ht. Six plants are in flower.															
Standard cultivars included for comparison															
G-19092	N.Y.	8	3-7	6	14	25	3.5	16	1.2	8	1 lt-m	solid	7	m-dk	
G-19093	N.Y.	9	2-5	8	13	18	3	14	1.5	9	1 m-dk	solid	8	m-dk	
G-19150	N.Y.	7	2-7	6	18	24	2	18	0.8	6	1 pr& gn	hollow	5	m-dk	
Summer Pascal. Apium graveolens.															
Alabaster. Apium graveolens var. rapaceum															

BRASSICA OLERACEA V. BOTRYTIS
(broccoli & cauliflower)

Seeds treated with Arasan 75. Seeded in greenhouse 4/4, 96 seeds per accession. Pricked off 4/21&23. Set in field 5/22, 16 plants per accession. Spacing 4'x1 1/2'+6'. Two replications. Fertilizer 640lb. 10/20/20/A.

Col. 3	Uniformity:	9=very	5=medium	1=least
Col. 4	Habit:	9=very erect	5=medium	1=prostrate
Col. 5	Vigor:	9=most	5=medium	1=least
Col. 6	Plant size - Height and width in inches			
Col. 7	Leaf size - Height and width in inches			
Col. 8	Leaf color:	1=light green	m=medium green	d=dark green
Col. 9	Amount of bloom:	9=much	5=medium	1=little
Col. 10	Maturity:	9=earliest	5=medium	1=very late
Col. 11	Number of heads			
Col. 12	Curd depth and diameter in inches			
Col. 13	Curd compactness:	9=very	5=medium	1=loose
Col. 14	Curd color:	cr=cream	w=white	y=yellow
Col. 15	Date edible			
Col. 16	Number of plants bolting			
Col. 17	Cabbage worm injury)	9=much		
Col. 18	Flee beetle		5=moderate	1=slight

P.I. No.	Orig.	Unif.	Hab.	Vig.	Plant		Leaves			No.	Curd		Comp.	Col.	Date	No.	Worm	Flee				
					Ht.	xwth.	Lgth.	xwth.	Col.		Blm.	Mat.							Hds.	Dpth.	xDiam.	
189028	P. Rico	6	3-6	9	32	31	13	11	d	gn	7	1	7	8	4	m	gn	15	5	0		
165488	(broccoli)																					
173845	India	8	1-3	7	30	31	15	8	m	gn	2	0						15	7	2		
	all have bolted	7/24/69																				
	India	6	1-7	7	21	29	17	9	d	gn	6	0						3	3	1		
	3 plants, all have bolted	7/24/69																				
181719	India	8	1-4	9	25	43	20	14	d	gn	7							5	5	5		
	4 plants; no heads	7/24/69																				
183214	India	9	1-3	9	20	39	23	8	d	gn	8	16	7	10	7	cr		7/21	0	5	3	
204770	Fr.	8	1-4	9	30	42	28	10	d	gn	8								7	1		
	No heads	7/24/69																				
204777	Fr.	8	1-4	8	22	39	21	8	d	gn	9	3	4	5	7	6	br	y	7/27	0	9	3
205990	Swe.	8	1-4	8	22	39	21	11	d	gn	8								4	2		
	no heads	7/24/69																				
208474	Neth.	7	1-3	9	16	36	15	9	m	gn	7	6	13	5	9	7	y	7/22	1	6	2	
	one dead plant																					
208475	Neth.	7	1-3	8	18	42	23	8	m	gn	6	7	15	5	9	7	y	7/20	0	6	1	
208476	Neth.	7	1-5	9	23	42	22	10	m	gn	7	2	1	4	6	7	y	7/28	0	9+	6	
	one plant																					
208478	Neth.	7	1-3	7	10	33	17	8	1	gn	6	5	14	4	7	7	cr	7/24	0	8	0	
208479	Neth.	6	1-4	7	15	40	18	9	1	gn	6	8	13	5	8	6	y	7/18	1	9	3	
208481	Neth.	7	1-3	8	19	38	18	8	m	gn	7	8	10	4	10	7	y	7/18	0	9	6	
	One plant appears different than others.																					
209753	Neth.	8	1-4	9	23	39	21	10	m		6	15	5	8	8	y		9+	6	6		
209758	Neth.	8	1-4	8	20	38	21	9	d	gn	3	10						7	2	2		
212592	Afgh.	6	1-5	8	32	38	24	9	m	gn	8	9+	5	9	7	cr		7/12	8	6	1	
	Some heads are not out; some have bolted	7/24/69.																				
225852	Neth.	8	1-4	9	19	39	24	9	m	gn	7	8	13	7	11	8	y	7/18	0	9	9	
231048	Afgh.	7	1-5	8	29	41	28	9	m	gn	7	1	13	5	8	6	y	7/29	0	8	6	
234599	Austral.	8	2-5	9	28	38	20	10	d	gn	1								1	2	2	
	Completely glazed, no heads	7/28/69																				
241617	Austral.	6	3-5	7	19	28	16	8	m	gn	6	7	12	7	10	6	y	7/21	3	9+	9+	
244831	Eng.	6	1-3	7	22	33	18	7	m	gn	7	6	8	6	10	6	y	7/23	8	8	2	

B. oler. v. bot. con't.

B. oler. v. bot. con't.																		
P.I. No.	Orig.	Unif.	Hab.	Vig.	Plant		Leaves			No.	Curd		Date	No.	Worm	Flee		
					Ht.	xwth.	Lgth.	xwth.	Col.		Blm.	Mat.					Hds.	Dpth.
271320	India	6	1-6	7	31	33	17	10	m gn	3	0			15	6		2	
320997	Taiwan														7		3	
320998	Taiwan	All plants have bolted; pods have formed 7/28/69.															9+	5
320999	Taiwan	9	1-4	8	21	37	18	9	m gn	8					9		4	
321000	Taiwan	7	1-6	7	28	30	14	7	m gn	6	0			16	7		1	
321001	Taiwan	6	1-5	7	26	34	15	11	m gn	5	0			16	9		3	
	All plants have bolted 7/28/69.																	

Standard cultivars included for comparison

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CUCURBITA

Seeds treated with Arasan 75. Seeded in gh 5/14, 3 seeds/pot-8 pots/accession. Thinned to 2 plants/pot, set in field 6/5, 16 plants/accession (2 plants/hill). Spacing 12'x3'+9'. Fertilizer 640 lb. 10-20-20/A. Notes taken 9/2/69.

Col.	3	Uniformity:	9=very uniform	5=medium	1=least uniform
Col.	4	Habit:	b=bush	v=vining	
Col.	5	Vigor:	9=much	5=medium	1=poor
Col.	6	Height x width of vine length of plant			
Col.	7	Number of leaves:	9=many	5=moderate	1=few
Col.	8	Leaf size:	s=small	m=medium	1=large
Col.	9	Leaf color:	d=dark	m=medium	1=light
Col.	10	Date of first pollination			
Col.	11	Maturity:	9=very early	5=medium	1=very late
Col.	12	Set:	9=very prolific	5=moderate	1=very poor
Col.	13	Fruit length and diameter			
Col.	14	Fruit color:	gy=grey l=light gn=green	w=white d=dark	or=orange t=tan m=medium
Col.	15	Fruit ribbing:	9=much	5=moderate	1=little
Col.	16	Fruit spotting:	9=much	5=moderate	1=little
Col.	17	Depth of flesh in cm.			
Col.	18	Color of flesh:	y or yel = yellow	o or or = orange	l= light d = dark v = very
Col.	19	Mosaic)			
Col.	20	Powdery mildew)	9=severe	5=moderate	1=slight

P.I.no.	Orig.	Unif.	Hab.	Vig.	Vine		Leaf		Date		Fruit					Depth of		Color of		Mos.	Mild.
					Lgth.xHt.	No.	Sz.	Col.	Pol.	Mat.	Set	Lgth.xDiam.	Col.	Rib.	Spot.	Flesh	Flesh	Flesh	Flesh		
169440	Tur.	7	v	7	5	52	m	d	7-11	6	5	36	44	gy			5.0	y-o		1	2
171615	Tur.	6	v	6	5	54	m	d	7-13	6	4	22	37	1 gy	1		3.5	or		0-1	3
183259	Arabia	4	v	6	5	46	m	m	7-18	5	6	42	38	m gy	2	or	2	y-o		1	3
211990	Iran	4	v	5	4	40	m	m	7-11	7	6	31	30	1 gy	2	or	4	or		1-2	1-2
211997	Iran	6	v	6	4	60	m	m	7-14	6	7	31	40	1 gy	2	or	3.5	1 or		0	6
212009	Iran	8	v	5	3	52	s	m	7-15	6	4	12	16	or	0	y	1	1 or		5	9
220861	Kor.	3	v	9	5	70	1	d	7-9	8-9	7	33	50	p,gy,o	1-4	0-1	3.6	or		3	2
227361	Iran	4	v	7	4.5	58	1	d	7-15	6	3	23	24	gy-gn	0-1	p gn	1	or		7	4
230180	Tur.	6	v	8	5	64	m	m	7-8	9	6	28	35	gy	2	or	4	or		0	2
234253	Jap.	9	v	8	6	45	s	m	7-15	6	9+	20	15	o red	0		1	or		0	3-4
234612	Afr.	7	v	5	5	50	s	d	7-17	5	6	11	31	w, gy	0-1	0	6	or		3	5
245142	Tur.	3	v	3	3	40	s	m	7-4	9+	2	14	25	gn-gy	0-1	gy	4.5	or		5	9
277405	Afgh.	5	v	9	7	43	m	d	7-18	6	8	30	34	1 or	0-2	gn	5	y-or		0	7
287532	It.	8	v	8	10	38	m	d	7-30	3	4	30	30	d gn	4	1 gn	7	or		2	9+
302417	Round Neopol.																				
312125	N. Dak.	8	v	9	3.5	47	1	d	7-2	9+	8	13	20	or	0	p or	2.9	1 or		0	7
312165	Sure looks like Meaders Orange Buttercup.																				
	Guat.	7	v	8	5	50	m	d		1	0									1	0
	Extremely late.																				
	Mex.	v		6	4	40	s	d		1	0	18	12				1.5	y-o		0	8
	'Calabasa Lechonga'																				

Cucurbita maxima

Variable.

and uniform. 'Uchiki' No spots, solid orangy--red. Some narrow orange stripe. All necked and pear shape. Very attractive

Skin rough, reticulate, network of small callus ridges.

Fruit greenish grey sp. grey. Leaves and petioles almost all killed by mildew.

Basic col. light or., striped v. pale orange and spotted a conspicuous green. Powdery mildew came late and did not reduce fruit set.

Round Neopol. Label C. mas. Really C. moschata. Most of leaves and petioles killed by p.m.

Sure looks like Meaders Orange Buttercup. Fruit have a bulge or protuberance at blossom end. Very pale orange stripes.

Guat. 7 v 8 5 50 m d 1 0

Extremely late. Does not set at Geneva.

Mex. v 6 4 40 s d 1 0 18 12 1.5 y-o 0 8

'Calabasa Lechonga' Possible tolerance to p.m. Very late, no set at Geneva. Fruit egg-shaped.

Cucurbita con't.

Cucurbita con't.															Depth of Color						
P.I.No.	Orig.	Unif.	Hab.	Vig.	Vine		Leaf		Date	Fruit					Flesh	Color of					
					Lgth.	xHt.	No.	Sz.		Col.	Pol.	Mat.	Set	Lgth.			xDiam.	Col.	Rib.	Spot.	
317893	Hung.	v	3	3	17		s	m		7-13	6	0								9+	9+
	'Gray Mammoth' Had only 1 plant and now dead from disease.																				
318417	Minn.	8	b	8	1.5	75	m	d		7-15	6	9+	12	20	red-or	0-1		3.1	or	0	6
	All bush, 2 plants half-runners. Most fruit have a green area at blossom end and very pale orange stripes. Excellent set, attractive fruit on bush plants.																				
318418	Minn.	8	b	9	1-1.5	60	m	m		7-11	7	8	7	15	d gn	0-1	0	2.0	d or	0	6
	Very short internode, recessive gene for yellowish petiole. Two plants off-type.																				
318419	Minn.	9	b	9	1-1.5	75	1	m		7-13	6	9	13	19	or			3.4	1 or	0	3-4
	2 plants half runners. Very pale orange stripes. Some fruit sharp, corky warts. Recessive gene for yellow petiole.																				
318420	Minn.	9	b	9	1-1.5	85	1	m		7-13	6	9	14	22	or			3.9	1 or	0	5-6
	2 plants half runners. Pale orange stripes. Blossom end is green.																				
318421	Minn.	8	b	9	1.5-2.5	82	1	m		7-5	9	9	11	18	d gn	0-1		2.6	or	0	7
	2 plants half runners. Narrow faint grey stripe. Fruit dk. green. Very much like Table Queen.																				
318422	Minn.	8	b	7	1.0-1.5	75	1	m		7-20	4	7	13	24	or			2.7	or	0	7-8
	2 plants half runners. Very pale orange stripes. Recessive gene for yellow petiole.																				
318423	Minn.	7	b	6	1.5	68	m	m		7-13	6	7	10	19	or			3.1	or	0	8
	Fruit have pale green stripes. Recessive gene for yellow petiole.																				
318424	Minn.	8	b	6	1.5	62	m	m		7-8	8	7	11	20	or			2.6	or	0	6
	Pale orange stripes. Star shape green area at blossom end.																				
318425	Minn.	8	hr	8	2.0	85	1-m	m		7-15	5	8	15	22	or			2.4	or	0	6
	Pale orange stripe. Raised areas of corky callus. Recessive gene for yellow petiole.																				
318426	Minn.	7	b-hr	8	1.5-2.0	72	m	m		7-20	3	7	13	21	or			2.5	1 or	0	6
	Pale orange stripes. Raised areas of corky callus. Recessive gene for yellow petiole.																				
318427	Minn.	7	b	6	1.0-1.5	65	m	m		7-14	5	6	14	19	or			2.5	1 or	0	5
	1 half runner. Pale orange stripes. Recessive gene for yellow petiole.																				
318428	Minn.	8	v	9	3.5-4.0	50	m	d		7-4	9	8	28	26	red-or	1-3		3.6	d or	0	5-6
	Fruit reddish orange cone. Sunken at stem end. Excellent set, very attractive. Resembles Golden Delicious.																				
318429	Minn.	8	v	9	2.5-3.0	65	d	d		7-5	9	9	18	28	red-or	2-3		3.4	y-o	0	5
	Fruit rough and bumpy. Flat globe, very attractive.																				
318430	Minn.	8	v	5	4	40	m	m		7-3	9	7	10	17	d gn	1-2		4.1	d or	0	5
	Fruit very dark green, grey stripes, ridges of corky callus.																				
318431	Minn.	8	v	5	3.0-3.5	42	m	m-d		7-4	9	8	23	28	d gn	0-1		2.2	d or	0	3-4
	Fruit flat globe, dark grey green, rough.																				
318432	Minn.	8	b-hr	6	1.5-3.5	55	m	m		7-4	9	7	22	23	d gn	0-1		2.8	1 or	0	7-8
	Female flws. open first, no males. Note 7/2/69. Greyish green stripes.																				

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[illegible]

LYCOPERSICON ESCULENTUM

Seeds treated with Arasan 75. Seeded in gh 4/16, 45 seeds/band.
 Pricked off 4/28&29/69. Set in field 5/27. 13 plts./acc. Spacing
 8'x2 1/2'+6'. Fertilizer 640 lb. 10-20-20/A. Notes taken 8/18/69.

Col. 3	Uniformity:	9=very	5=medium	l=not uniform
Col. 4	Habit:	s=semi-determinate	i=indeterminate	d=determinate
Col. 5	Vigor:	9=very vigorous	5=medium	l=prostrate
Col. 6&7	Plant height and width in inches:			
Col. 8	Maturity:	9=very early	5=medium	l=very late
Col. 9	Fruit set:	9=very heavy	5=moderate	l=very light
Col. 10&11	Fruit depth and diameter in centimeters:			
Col. 12	Fruit shape:	fl=flat		
Col. 13	Fruit:	UR=uniform ripening	g=globular	
Col. 14	External color of fruit:	9=deep red	GS=green shoulders	l=light red
Col. 15	Internal color of fruit:	9=deep red	5=medium red	l=light red
Col. 16	Number of locules:	9=very many	5=moderate	l=few
Col. 17&18	Cracking in radial and concentric types:	9=much	5=medium	l=little
Col. 19	Fasciated fruit:	9=many	5=medium	l=few
Col. 20	Blossom end rot:	9=severe	5=moderate	l=little

P.I.No.	Orig.	Unif.	Hab.	Vig.	Plant			Fruit			UR	Color		No.	Cracking		Amt.	Blsm.
					Ht.	Wth.	Mat.	Set	Dpth.	Diam.		Ex.	In.		Rad.	Conc.		
270250	Tex.	8	s	7-8	20	47	5	Lycopersicon esculentum			gs	4	6	7	0	0	0	0
270275	'Texto 2'	7	i	9	20	80	5	6	5.0	6.5	fl g	gs	7	6	1	1	0	0
270280	Ohio	8	s	7	13	65	6	9+	4.7	8.1	fl f	ur	8	6	9	0	0	0
289240	'Pearl Harbor'	9	i	7	10	52	8	9+	3.5	4.5	g-fl g	gs	9	9	4	0	0	0
289270	'Fruehe Liebe'	9	d	8	12	22	7	9	4.2	4.5	g	ur	7	7	2	0	0	0
289271	'Steyerische Stamm'	8	i	9	17	50	6	8	4.5	5.0	g	gs	8	9+	2	0	0	0
289272	'Rheinlands Rhum Rajnai'	7	s	8	22	65	7	9+	4.0	5.0	g-fl g	gs	9	3	3	0	0	0
289273	'No. 10'	8	s	8	20	62	6	9	4.2	5.2	g-fl g	gs	8	7	3	3	0	0
289274	'No. 37'	9	d	9	12	40	8	9+	4.0	5.5	fl g	gs	9	8	3	1	5	0
289275	'Grunsovoj Grubovskij'	9	d	9	11	34	7	9+	5.5	7.0	fl g	ur	8	9	4	0	3	0
289278	'Niedrig Busch'	8	s	6-7	8	40	8	9	4.5	5.0	g	gs	8	8	4	3	0	0
291339	'Isobilje'	6-7	i	9	23	70	4	5-6	5.3	8.0	fl g	gs	6	7	9+	3	5	0
291347	'Pias Jong No. 3'	7	i	8	10	68	8	9+	4.0	5.3	fl g	gs	8	6	3	2	0	0
291349	'Fan-que #9'	9	s	7	9	46	5-6	6	4.0	4.8	g	gs	3	7	6	2	0	2
291352	'Pai-dung 249'	6	s	8	13	38	6	8	4.5	5.5	fl g	gs	7	7	5	0	0	0
291354	'Mgu'	2-3	i	7	16	50	3	6	5.2	7.0	fl g	gs	6	6	5	0	0	6
294441	'Mai-jiang Hong'	3	i	9	17	48	4	9	5.0	8.0	fl g	gs	6	7	9+	0	0	0
	'Israel 3'	13	i	9	17	48	4	9	5.0	8.0	fl g	gs	6	7	9+	0	0	0
	'Ein-Ghedy 13'	13	i	9	17	48	4	9	5.0	8.0	fl g	gs	6	7	9+	0	0	0

Individual fruit very heavy, very tough skin; exterior of fruit pock-marked.

Very soft fruit, staked for field tour, very susceptible to virus - possibly CMV.

Very tough skin fruit.

Very firm; very large locules, good flavor.

Staked for field tour, pink skin.

Very tough skin fruit.

Very tough skin fruit.

Very tough skin fruit.

Very tough skin fruit.

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Lyc. escul. con't		Plant				Fruit			UR	Color		No.	Cracking		Amt.				
P.I.No.	Orig.	Unif.	Hab.	Vig.	Ht.	Wth.	Mat.	Set	Dpth.	Diam	Shape	GS	Ex.	In.	Loc.	Rad.	Conc.	Fasc.	End
294442	Israel	9	d	7	12	32	8	9+	4.5	5.5	g-fl	g	9	9	4	0	7	0	0
	'Gruntoyii Gribovskii'						Excellent flavor; concentrated fruit set; fruits very attractive, but many conc. cracks.												
303792	Ohio	9	i	7	13	48	6	8	5.0	7.0	fl g	gs	8	5	8	0	3	0	0
	'Tatinter'						Has wilty-gene, leaves all folded.												
303793	Ohio	7	s	8	13	45	6	8	4.5	6.1	fl g	gs	7	8	4	1	5	0	2
	'Tatura'						Very susceptible to concentric cracking.												
303798	Ohio	8	d	9	22	50	2	9	5.8	6.0	b	gs			4	0	0	0	0
	'Tomango'						Looks like a cross between a pepper and tomato. Interior just like pepper; seed cavity devoid of pulp.												
303799	Mich.	8	i	9	26	72	3	6	5.5	8.5	fl g	gs	6	5	6	0	0	5	0
	'Trip L Crop Climbing'						Staked for field tour.												
303812	Scot.	6	i	9	24	75	3	9	4.5	5.5	fl g	ur	1	1	3	0	0	0	0
	'Yellow Tomato'																		
309671	Ohio	9	d	9	15	40	7	8	5.0	6.5	fl g	ur	7	9	6	0	2	0	0
	'Libby C52'						Staked for field tour.												
309675	Tex.	9	d	7	6	15	7	9+	3.0	2.0	dp g	gs	6	6	4	3	5	0	0
	'Haroin Miniature'																		
338239	Can.	9	i	9	16	63	4	6	3.5	5.5	fl g	gs	8	6	8	0	0	4	1
	(high acid type)						Staked for field tour.												
G-18853	U.R.I.	9	d	7	12	28	7	8	5.5	6.7	fl g	ur	7	6	9+	0	5	0	0
	'R.I. Dwarf I'																		
G-18854	U.R.I.	8	d	7	17	41	7	8	5.3	5.5	g	ur	8	6	7	1	3	0	0
	'R.I. Dwarf II'																		
G-18962	N.Y.	7	i	8	17	47	6	9	5.5	8.0	fl g	ur	8	5	9+	0	0	0	0
G-19071	Can.	8	d	7	9	38	5	8	4.5	5.5	fl g	ur	7	6	3	0	3	0	0-2
	'Portocala'																		
G-19072	Can.	9	d	7	12	36	7	9	4.5	5.5	fl g	ur	7	5	3	0	4	0	1
	'Sperls Zukmft'						Staked for field tour.												
G-19074	Can.	9	d	9	12	45	7	9	5.0	5.0	g	ur	8	9+	7	4	5	0	0
	'Sofia'						Staked for field tour.												
343828	N.Y.	9	s	7	18	34		9	4.5	5.5	fl g	ur	9	9	4	0	0	0	0
G-10362B	R.I.	7	i	9	18	48	7	9	5.5	7.2	fl g	gs	8	7	9	1	0	0	0
	Sel. from Summer Sunrise.																		

Sel. from Summer Sunrise.

PHASEOLUS

1968 Greenhouse Beans

Second, Third, & Fourth Plantings

Seeds treated with Arason 75. Second planting planted 8/22/68, third planting planted 9/12/68, and fourth planting planted 10/29/68 & 11/14/68. 3 seeds/8" pot. 8 pots of each accession for the second and third plantings and 6 pots of each accession for the fourth planting.

Col. 3	Uniformity:	9=very	5=medium	1=least	
Col. 4	Habit:	b=bush	p=pole	h=half-runner	
Col. 5	Vigor:	9=very	5=medium	l=poor	
Col. 6	Plant height and width in inches				
Col. 7	Leafiness:	9=very	5=medium	l=poor	
Col. 8	Days from planting to bloom				
Col. 9	Flower color:	w=white	pr=purple	y=yellow	pl=pale
Col. 10	Set:	9=heavy	5=medium	l=poor	
Col. 11	Days to harvest				
Col. 12 & 13	Length and width of leaves in centimeters				
Col. 14	Color of leaves: (green)	gn=green	wx=wax	v=variegated	pr=purple
Col. 15	Leaf shape:	fl=flat	r=round	gl=globe	
Col. 16	Straight or Curved	s=straight	c=curved		
Col. 17	Stringless or strings: + strings	- stringless			
Col. 18	(2nd planting) Seed size: s=small	m=medium	l=large		
Col. 18	(3rd & 4th planting) Shattering	9=most	5=medium	l=least	
Col. 19	(2nd planting) Seed Shape	ov=oval	pl=plump	lg=large	fl=flat
Col. 19	(3rd & 4th planting) Seed size: s=small	m=medium	l=large		
Col. 20	(2nd planting) Seed color: gy=gray	t=tan	w=white	pr=purple	spl=splash
Col. 20	(3rd & 4th planting) Seed shape: ov=oval	pl=plump	lg=large	fl=flat	
Col. 21	(2nd planting) Virus disease	0=none	l-3=little		
Col. 21	(3rd & 4th planting) Seed color: w=white	pr=purple	spl=splash	t=tan	blk=black
Col. 22	(2nd planting) Bacterial disease:	0=none			
Col. 22	(3rd & 4th planting) Virus disease	9=much	l=little		

P.I.No.	Orig.	Unif.	Hab.	Vig.	Plant		Days to Flw.		Days to Harv.	Leaves		S Strg.	Seed		Disease										
					Ht.xwth.	Lfy.	Bl.	Col.		Set	Lgth.xwth.		Col.	Shp.		C	-	Sz.	Shp.	Col.	Vir.	Bact.			
Phaseolus - 2nd planting																									
289378	Hung.	9	b	9	19	21	8	27	w	9	75	16.1	1.2	gn	fl	s-c	+	m	ov	gy	t	0	0		
295343	Austral	9	p	9	110	8	7	27	w	9	72	19.5	1.3	gn	fl	s	+	m	lg	ov	w	0	0		
Resemble Kentucky Wonder. Cv. 'Westralia'.																									
302537	USA	8	hr	8	35	14	7	25	pr	8	76	10.5	1.3	wx	fl	s	-	s-m	lg	ov	w	0	0		
Attractive wax pod; some seeds truncate.																									
302539	USA	7	b-hr	9	26	14	7	28	w	8	64	11.0	1.7	gn	fl	s	+	lg	fl	ov	w	0-2	0		
G-18522		7	b	8	30	24	8	34	w	8	75	11.1	1.2	gn	fl	s	-	m	lg	pl	w	0	0		
'Harvester.' H-3513																									
302541	USA	9	b	9	26	18	9	34	pr	9	78	16.0	1.0	gn	spl	r	cv	+	m	lg	pl	k	t spl	0	0
Excellent set, attractive pod.																									
302542	USA	7	hr	9	41	20	7	35	w	9	78	10.6	1.2	wx	fl	c	-	s-m	lg	pl	w	0-3	0		
319644	Mex	9	b	9	22	16	9	35	pr	7	71	13.6	1.4	gn	fl	s	+	s-m	ov	-	v	1-3	0		
G-18523		9	b	9	17	18	9+	29	w	9+	85	12.5	1.0	gn	fl	s	-	m	lg	pl	t spl	0	0		
'Tendercrop.'																									
S Strg.																									
or + or																									
Seed																									
Days to																									
Days to Harv.																									
Lgth.xwth.																									
Col.																									
Shp.																									
C																									
or + or																									
Shat																									
Sz.																									
Shp.																									
Col.																									

Phaseolus - 3rd planting.

296319A	Phil.	9	p	8	96	16	9	40	w	9	97	15.3	1.5	gn	fl	S	+	7	m-lg	fl	ov	w	
	Excellent yield. Some pods hort. type - reddish.																						
296319B	Phil.	7	p	9	112	19	8	38	w	9	85	10.7	1.1	gn	gl	S	+	9	m	fl	gl	w	
	Pods pinkish tan when dry. Seeds flattish & glossy. Too short to be oval. Excellent yielder. Very uniform. Frequent doubling. Brown, bacterial spots on some pods.																						
302538	USA	8	6	8	18	23	8	34	lt	pr	7	86	10.9	1.5	gn	spl	fl	S	+	2	pl	ov	pr spl ^t
	Pod constricts around seed, some pods reddish when mature.																						
165435	Mex.	7	p	9	54	19	9	39	pr	8	84	9.2	1.0	v	r	S	+	9	sm	fl	ov	blk	
	4 pots original seed; 4 pots Natti seed. All germination good. Many purple tinted pods. Seeds black, white eye, both glossy & dull. Dry pods deep purple to almost tan.																						
203958	Mex.	8	p	7	75	18		37	pr	9+	88	12.2	1.1	pr	fl	S	+	9	sm	pl	ov	gl	
	Heavy yielder. Pod constricted around seed. Pods purple-blue when mature.																						

P.I.No.	Orig.	Unif.	Hab.	Vig.	Plant		Days		Days	Leaves		S	Strg.	Seed
					Ht.xWth.	Lfy.	Fl.	Col.	Set	Harv.	Lgth.xWth.	Col.	Shp.	Sz. Shp. Col. Virus

Phaseolus - 3rd planting (cont.) Greenhouse

262164	Switz.	8	p	8	82	11	7	39	w	9	85	13.3	1.2	gn	r	s	+	3	lg	lg	ov	w
	Pods thick wall. Most pods tan, few splashed or speckled purple. Pods tan & brittle. Good yielder.																					
	Attractive seed.																					
262165	Switz.	7	p	7	69	14	8	39	w	9	85	9.8	1/2	gn	r	c	+	5	md	pl	ov	w
	Some purple speckled pods. Some green splashed purple. Pods wrinkled or wizened longitudinally.																					
	Good yielder. Attractive seed. Pods greenish tinted even when dry.																					

Phaseolus - 4th planting. Greenhouse

269206	Peru	7	p	8	72	15	7	47	pr	3	94	9.0	1.3	gn	fl	s	+	4	sm-	fl	ov	gy-blk
	Pods in pairs or triplets. Some bacteria spots on pods. 5 seeds/pod.																					
273452-A	N.Y.	6	p	7	64	15	7	48	pr	4	98	9.5	1.6	gn	fl	s	-	2	lg	pl	ov	t spk
	All pods singly. Slender pair stems. Pods green splash purple. Very much constricted btw seeds. pur between seeds. Curved beak. Tough fibrous pod wall. 5 seed/pod. Very uniform.																					
282011	Chile	7	p	8	40	15	8	48	pr	6	104	11.5	1.4	gn	fl	c	+	3	md	pl	ov	d r
	Very vigorous & leafy late, slow maturing. 7 seed/pod. Pods constricted. Seeds dark red. Seeds inclined to sprout in pods.																					
282021	Chile	8	p	8	62	16	7	49	lt	pr6	90	13.0	1.4	gn	fl	s	+	5	md-lg	fl	ov	gy str
	Borne in pairs. Some pale very large leaves. Planted 10-29. Seed grey striped brown.																					
	Pods faintly splashed purple. 5-6 sd/pod. Orange eye.																					
282051	Chile	6	hr	8	44	17	7	40	lt	pr5	98	14.3	1.8	gn	fl	s	-	2	lg	fl	ov	or
	Very large dark green leaves. Large pod. Some pods splashed light red. Horticultural bean.																					
	Splashed red turning purple. Seed brown striped reddish brown.																					
282102-CB	Chile	6	p	8	65	15	6	40	pr	8	85	11.8	1.5	gn	fl	s	+	7	md	flkd	bl	
	Most pods in pairs. 2 kinds of pod, 1 tinted red, other splashed pr, 5 seed/pod.																					
304749	Italy	8	p	7	100	15	5	45	w	3	90	16.5	2.3	gn	fl	c	+	7	v	lg	fl	ov
	<u>Phaseolus coccineus</u> . Flowers must be tripped to get set. Very large, tough flat pod. Dry pod wall tinted pinkish. 4 seed/pod.																					
19007	N.H.	8	p	8	120	18	5	65	w	3	104	16.5	1.5	gn	gl	cv	+	6	md-lg	flk	w	
	Planted 11/14/68. 'Champagne' &/or 'Glacier' Pods splashed purple. 7-8 seed/pod. Some ovule abortion. Had mosaic in it and yield was reduced.																					

PHASEOLUS VULGARIS

1 seed/1 1/2" 2-9' rows in r 1 1/2' apart + 4' alley - 10' between rows
(stake to stake) Fert. 640 lbs. 10-20-20/A. Planted 5/29/69. Notes taken
8/19/69 & 8/27/69.

Col. 3	Habit	b=bush	p=pole	
Col. 4	Vigor	9=very	5=medium	l=poor
Col. 5&6	Plant Height and Width in inches			
Col. 7	Flower Color	w=white	pr=purple	pl=pale
Col. 8	Pod Set	9=heavy	5=medium	yell=yellow
Col. 9	Days to Harvest			l=poor
Col. 10&11	Plant Length and Width in centimeters			
Col. 12	Color of Leaves	t=tan	spl=splash	br=brown
Col. 13	Pod shape	r=round	f=flat	m gn=medium green
Col. 14	Pod curvature	9=most	5=medium	yell=yellow
Col. 15	Stringed or stringless		+=stringed	l=least
Col. 16	Shattering	9=most	5=medium	--stringless
Col. 17	Seed size	s=small	m=medium	l=large
Col. 18	Seed Shape	ov=oval	obl=oblong	fl=flat
Col. 19	Seed Color	d rd=dark red	spl pk=splash pink	pl=plump
Col. 20	Virus Disease	9=severe	5=moderate	r=round
Col. 21	Bacterial Disease	9=severe	5=moderate	w=white
				stk br=streak
				l=slight
				l=slight

P.I.No.	Orig.	Hab.	Vig.	Pl. "	Flwr. Color	Pod Set	Days to Harv.	Plt.(cm.)		Col.	Shp.	Curv.	+ or -	Seed		Diseases	
								Lgth.	Wth.					Sz.	Shp.		Color
G-18822	N.H.	b	7	18 19		8	90	11.0	1.3	t spl	r	2-7	+	7	1	obl d rd	3 2
	'Red Shellout' Very susceptible to powdery mildew.																
										br						spl pk	
Phaseolus multiflorus x Phaseolus vulgaris																	
Phaseolus vulgaris																	
251047	Yugo.	p	7	39 14	w	2-7	104	10.0	1.3	m gn	f	3-7	+	7	1	fl obl	w 4 5
	Two plants.																
273451	Maine	b	6-7	20 15	w	7	90	9.0	1.3	m gn	r	1-4	+	6	m	pl ov w stk	2 5
	'Yellow Eye'																
273452B	N.Y.	hr	8	39 20	pr	1	110	7.5	1.1	m gn	f	2	-	4	m	r w spk	1 3-6
276327	Nor.	b	9	25 24	pr	8	98	12.5	1.0	m gn	r	1-4	-	1	m	obl blk	2 1
	Staked for field tour.																
285695	Pol.	b	7	14 17	w	8	90	11.2	1.0	yell	r	1-3	-	1	s-m	pl ov	w 1 0-2
	Staked for field tour.																
285696	Pol.	b	7	19 18	w	7-9	90	9.1	0.9	l gn	f	2-4	+	8	s-m	pl ov	w 0-1 0-2
	Staked for field tour.																
285697	Pol.	hr	7	23 21	w	5-7	90	8.2	1.0	m-dk	f	1-3	+	6	s	pl ov	w 2 1-3
285700A	Pol.	b	5-6	14 17	pl pr	6	90	9.0	1.0	l gn	r	1-3	-	2	m	obl t	0 7
	May have BV ₁ tolerance.																
285700B	Pol.	hr	9	27 24	w	7	98	10.0	1.1	m-dk	f	1-2	+	4	m	obl t spl	0 0-2
	May have BV ₁ tolerance.																
										gn						pk & w	
287536	Neth.	b	3	19 14	pr	1	104	6.1	1.1	dk br	f	3	+	5	s	ov blk	1 2-3
287537	Neth.	b	3	9 14	w	6	90	9.9	1.0	dk gn	r	3-5	-	3	s	pl ov w	2 1-3
302396	Austral.	b	9	18 18	w	8	90	12.5	1.3	1-m gn	f	2-5	+	8	m	obl dp lav	0-1 0-2
	Staked for field tour; pods slightly constricted. 'College Early'																
302397	Austral.	b	8	17 18	w	8	90	13.0	1.2	l gn	r	2-7	+	9	s-m	pl obl	w 3 1
	'College Supreme'																
302467	Neth.	b	2	9 7		2	90	6.0	0.7	m gn	r	1-4	-	2	s	pl ov w	1 2
	'Double White Stringless'																
310469	Fr.	b	3	13 10	3	90	10.0	1.2	1-m gn		f	1-8	+	7	s	ov w	0-3 1
	'Case Knife' or 'White Dutch'																
310470	Fr.	p	9	35 21	6	98	9.0	1.3	1-m gn		f	2-5	+	9	1	fl obl	w 1-3 1-5

P.I.No.	Orig.	Hab.	Vig.	Pl. "	Flwr. Color	Pod Set	Days to Harv.	Plt. (cm.)	Col.	Shp.	Curv.	+ or -	Seed		Diseases	
													Shat.	Sz. Shp. Color		Vir.Bact.
Phaseolus vulgaris																
G-12366-AE	R.I.	b	4	14 17	w	7	90	13.2 1.2	1 gn yell	r	1-3	-	8	m ob	br & 2	3-4
G-12366B	Loomis	b	9	18 20	w	8	104	14.2 1.0	1 gn yell	r	1-5	-	4	s-m ob	1 br spl br spl	0-1 0-1
G-12366BS	R.I.	b	3	8 9		5	90	10.7 0.9	1 gn yell	r	3-6	-	4	m 1	br w	3 1-4
G-12366BSAA	R.I.	b	7	12 14		1	110	10.5 0.8	m gn	r	4	-	4	m ob	w spl br & br	1-3 2
G-12366BSC	R.I.	b	8	18 20		8	98	13.8 1.2	m-d gn yell	r	2-5	-	4	m ob	w spl br	0-3 0
G-12366C	R.I.	b	6-7	18 19	w	8	90	11.5 1.0	1-m gn yell	r	1-5	-	5	m ob	w spl br	2 3
G-12366CS	R.I.	b	9	26 27	w	4	104	12.5 1.0	m gn	r	1-3	-	5	m ob	w spl br	6 3
G-12366D	N.Y.	b	5-7	17 17	w	6	90	11.0 1.0	1 gn yell	r	1-3	-	4	s-m ob	w sp br & br	0-1 0-1
G-12366DS	N.Y.	b	4-7	18 20	w	3	98	10.0 1.0	1 gn yell	r	1-3	-	5	m ob	br & br spl blk	0-2 7
G-12366DS _{8A}		b	4-7	18 21	w	7	90	10.0 1.0	1-m gn yell	r	1-3	-	4	m ob	br	1 0
G-12366DS _{9B}	R.I.	b	9	24 18	w	7	98	11.5 0.9	1 gn yell	r	2-3	-	4	m ob	br	2 0-1
G-12366-E	N.Y.	b	7	18 18	w	7	98	13.3 1.3	m gn	r	2-7	-	5	s-m ob	w&br spl t	0-1 0-2
G-12367		b	4	10 12		5	90	12.0 1.0	1 gn	r	2-4	-	6	m ob	br spl w	0-1 0-1
G-12370	N.Y.	p	9	52 24		7	90	8.0 1.0	1-m gn	f	1-3	+	7	s r	w	3 1-3
G-12388		b	6	14 20		6	90	12.7 0.9	m gn	r	2-5	-	6	1 ob	blk sp	3 0-1
G-12389		b	5-7	17 22		6	90	11.3 0.8	m gn	r	2-5	-	4	m-1 ob	blk sp w	0-2 0-1
G-12389SB		p	9	46 28	w & pl pr	5	98	8.5 1.0	m gn	r	1-4	+	6	s-m ov	w&br &blk spl t	1 1

P.I.No.	Orig.	Hab.	Vig.	Pl. " Ht.Wth.	Flwr. Color	Pod Set	Days to Harv.	Plt. (cm.) Lgth.Wth.	Col.	Shp.	Curv.	+ or -	Seed		Diseases	
													Shat.	Sz. Shp. Color Vir.Bact.		
Phaseolus vulgaris (cont.)																
G-12390	h-r	5-7	30	19		6	98	11.5	1.0	l-m gn r	1-3	-	6	m ob	blk& 2	0
G-12456	h-r	5-7	25	19		2	110	8.0	0.7	m-d gn f	2-5	-	5	s fl ov cr	6	7
G-12684-1	b	8	18	22		8	98	14.0	1.0	l-m gn r	2-5	-	3	m ob	d br 2	0-1
G-12684-2	Tendercrop R-862-1 Dolan's selection					7-8	90	12.5	0.9	m gn r	2-4	-	4	m ob	& d br sp t	0
G-12684-3	b	7	16	15		8	90	14.0	1.0	l-m gn r	2-4	-	4	m ob	& d br sp t	0-1
G-12684-4	Tendercrop R862 Dolan's selection					7	90	11.0	1.0	l-m gn r	2-5	-	3	s-m ob	d br 0-1	0-1
G-12684-5	b	3-5	13	12	w	4-7	98	12.0	1.0	l-d gn r	2-4	-	2	s-m ob	d br 3	1-4
G-12684-6	b	6	12	10		4-7	98	13.8	1.1	m-d gn r	2-7	-	2	s-m ob	& d br sp t	4
G-12905-B	Dolan's selection.					5	104	12.6	1.2	l-m gn f	2-4	+	8	1 ob	sp blk	5
G-12909	N.Y.	hr	4-6	21	20	6	98	12.8	1.5	l-m gn f	2-5	+	9	m-1 lb	sal	2-6
G-13093	Mo.	p	1-4	37	15										3	1
G-13239	Everbearing. No pods 8/25/69.					2	104	11.5	0.5	d gn r	1-2	-	5	v.s. r	1 tan	0
G-13241	N.Y.	p	9	41	24	pr	104	14.5	1.4	m-d gn f	1-3	-	7	m-1 pl ob w	2	4
G-13478	Mont.	b	7	15	20	w	90	11.8	1.0	spl pr & yell	1-3	-	3	m ob	spk rd&br w&cr	2-3
G-13507	Mex.	b	7	26	21	pl pr	0								3	5
G-14167	No pods 8/25/69.					2	110	16.0	1.0	m-d gn r	2-7	+	5	m ob	w	3
G-14175	Indiana	b	3-5	17	16	pl pr	98	9.5	1.2	l-m gn r	2-5	+	9	m ob	t	4
G-14179	Ind.	h-r	2-5	27	12		98	8.0	0.9	m-d gn r	1-3	+	5	vs ob	w&cr	9+
	'White Six-Weeks Bunch'					2	98	8.0	0.9	m-d gn r	1-3	+	5	vs ob	w&cr	9+

Standard cultivars included for comparison

P.I.No.	Orig.	Hab.	Vig.	Pl. " Ht.Wth.	Flwr. Color	Pod Set	Days to Harv.	Plt.(cm.) Lgth.Wth.	Col.	Shp.	Curv.	+ or -	Seed			Disease
													Sz.	Shp.	Color	
Standard cultivars included for comparison (cont.)																
G-18523	Harris b		7-8	17 20	pl pr	8		13.0 1.1	l-m	gn r	1-4	-	m	ob	pr spl	1-2 4
	'Tendercrop'														pink	
G-17415	Harris p		7	49 24		7		12.0 1.8	m	gn f	1-4	-	m-1	ov	t	0 0
	Romano														lt br	
G-17447	N.Y. b		6	12 13	pl pr	6-8		12.0 1.0	l	gn r	3-6	-	m	ob	pk	5 1
Pinto 111	Idaho hr		3-6	33 19	w	4		10.0 1.1	l-m	gn f	1-2	+	m	fl ov	spl pr	2 1
									spl	pr					spl br	
3235	Harris b		6-8	19 20		6		10.0 1.2	m-d	gn f	1-2	+	l	ob	br	6 1-2
	Calif. Red Kidney.															

PHASEOLUS

1969 GREENHOUSE BEANS

planted in greenhouse 8/1&12/69

notes taken 9/19/69

Col. 3	Uniformity	9=very	5=medium	1=poor
Col. 4	Habit	b=bush	p=pole	hr=half-runner
Col. 5	Vigor	9=very	5=medium	1=poor
Col. 6 & 7	Plant height and width in cm.			
Col. 8	Leafiness	9=very	5=medium	1=sparse
Col. 9	Days from planting to bloom			
Col. 10	Flower color	w=white	pr=purple	
Col. 11	Pod Set	9=heavy	5=medium	1=poor
Col. 12	Days from planting to harvest			
Col. 13 & 14	Length and width of leaves in cm.			
Col. 15	Leaf color	gn=green	wh=white	
Col. 16	Leaf shape	f=flat	r=round	
Col. 17	Straight or curved	s=straight	c=curved	
Col. 18	Strings or stringless	+ = strings	- = stringless	
Col. 19	Shattering	9=most	5=medium	1=least
Col. 20	Seed size	s=small	m=medium	l=large
Col. 21	Seed shape	ov=oval	pl=plump	fl=flat
Col. 22	Seed color	w=white	pr=purple	rct=rectangular
Col. 23	Virus disease	v=variable	r=red	gy=grey
Col. 24	Bacterial disease	0=no disease		br=brown

[illegible]

P.I.No.	Orig.Unif.Hab.	Vig.	Plant	Days		Days to Flw.	Days to		Leaves	S Strg.		Seed		Disease
				Lfy.Bl.	Col.		Set.	Harv.		Lgth.Wth.	Col.	Shp.	C	
12366CS ₁	R.I.	9 b	9 52 54	9 50 w	88	12.3	1.1 gn	r s&c -	4	md pl ov	v	0	0	
	Pods pale tan, wrinkled, constricted. 6 sd/pod. Seed 2-tone wh + brown around hilum & raphe.													
12366E	R.I.	9 b	9 54 80	9 50 lt pr	88	10.5	1.1 gn	r c	3	md pl ov	v	0	0	
	Pods tan-pale tan wrinkled, constricted, poorly filled. 6 sd/pod. Seed 2 tone white + brown around hilum & raphe. Like a soldier bean.													
12367	R.I.	8 b	7 36 45	9 33 wh	74	13	1.0 gn	f-r c&s -	3	md pl ov	pr	0	0	
	Very early maturity. Pods yellow tan-pinkish tan, wrinkled, constricted. 7-8 sd/pod. Seed purple flecked grey.													
12368	R.I.	8 b	8 40 43	8 33 wh	74	14.5	1.3 gn	r cv -	3	md pl ov	pl ov	0	0	
	Very early maturity. Pods deep tan-yellowish tan, wrinkled, slightly constricted. 6-7 sd/pod. Seeds greyish purple, flecked white.													
12369	R.I.	8 7	42 55 8	34 lt pr	9 74	14	1.1 gn	r s&c -	1	md pl ov	gy pr	0	0	
	Very early maturity. Beginning to ripen on 9-19. Pods deep tan-yellow tan, wrinkled, slightly constricted. Seeds greyish purple, flecked white.													
12684-1	N.Y.	9 b	8 50 65	6 34 lt pr	9+ 76	12.2	1.0 gn	r s&c -	2	md pl ov	pr	0	0	
	Pods dark tan to pinkish tan, wrinkled, not constricted. 7 sd/pod. Seeds purple, flecked grey. Tendency to fish face.													
12684-2	N.Y.	9 b	9+ 48 48	9 27 pr	9+ 74	14	1.1 gn	r s -	1	md pl ov	pr	0	0	
	Very early maturity. Pods tan-pale tan flecked purple. 6-7 sd/pod. Seeds purple flecked grey.													
12684-3	N.Y.	8 b	9 60 48	9 34 pl pr	9+ 81	13.5	1.1 gn	r s-c -	6	md pl ov	pr	0	0	
	Pods deep tan-pinkish tan, wrinkled, not collapsed. 6-7 sd/pod. Seeds purple flecked grey. Susceptible to anthracnose. Tendency to fish face.													
12364DS ₁	R.I.	8 b	6 38 56	7 31 pr	76	15	1.2 gn	r s -	7	md pl ov	pr	0	0	
	Pods tan-pl tan, wrinkled, not constricted. 8 sd/pod. High ovule no. Seeds purple, flecked grey.													
G-12365	R.I.	9 b	8 45 55	9 34 wh	78	13.7	1.1 gn	r s -	5	md pl ov	pr	0	0	
	Pods tan to pale tan, wrinkled, not constricted. 8 sd/pod. High ovule. Seeds brownish pr. spotted grey & flecked grey.													
G-12366B	R.I.	9 b	9 55 60	8 29 wh	69	12.5	1.2 gn	r s -	3	md v	v	0	0	
	Green pod component. Pods deep tan-tan; wrinkled, constricted. 7-8 sd/pod. 3 seed colors brown, purple, & two-tone brown & white.													
G-12366BS-BB	7 b	9+ 70 53	9 34 wh	76	13.0	1.1 gn	r s -	5	md pl ov	br	0	0	0	
	R. I. Seed brown flk tan. Pods tan, wrinkled, & constricted. 6-8 sd/pod. Seed brown flecked tan.													
12366A	R.I.	8 b	9 68 52	9 31 lt pr	76	15	1.0 gn	r s -	3	md v	v	0	0	
	Pods pale tan, wrinkled, & slightly constricted. 7 sd/pod. 4 types seed purple, red, cranberry, & brown.													

[illegible]

PISUM SATIVUM

1969 Descriptions and Evaluations

Seeds treated with Arasan 75. Seeded in field 4/28 & 4/30/69.
 128 seeds per accession, spacing 4' x 1 1/2' + 4'. Notes
 taken 4/29/68. Fertilizer 640 lb. 10-20-20/A.

Col.	3	Uniformity	9=most	5= medium	1=very variable
Col.	4	Habit	t=tall	d=dwarf	
Col.	5	Vigor	9=very	5=medium	1=poor vigor
Col.	6	Plant height in inches.			
Col.	7	Number of nodes between base and first flower.			
Col.	8	Leafiness	9=very	5=moderate	1=very sparse
Col.	9	Color of leaves	d=dark	m=medium	1=light
Col.	10	Number of days to first bloom.			
Col.	11	Flower color	pr=purple	w=white	
Col.	12	Doubling	f=frequent	r=rare	
Col.	13	Pod size - length and width in centimeters.			
Col.	14	Number of seeds per pod.			
Col.	15	Number of days to harvest of ripe pods.			
Col.	16	Seed size	s=small m=medium	l=large	
Col.	17	Seed surface	s=smooth	w=wrinkled	
Col.	18	Seed color	r=red pr=purple l=light	sp=splash gn=green d=dark	t=tan
			br=brown	m=medium	
Col.	19	Seed set	9=excellent	5=medium	1=few or poor set
Col.	20	Virus general	9=most	5=medium	1=least

P.I.No.	Orig.	Unif.	Hab.	Vig.	Plt. Ht.	Nodes	Lfy.	Col.	Blm.	to Flw.	Dbl.	Pod Size		Ovules Days		Seed						
												Lgth.	xWth.	per	to	Sz.	Surf.	Col.	Set			
																				Days	Days	
273209	Ger.	7	t	6	28	15	5	m	58	pr	f	6.5	1	7	85	s	s	br	sp	pr	5	7
273279	Den.	8	t	8	25	17	8	m	56	pr	f	6.1	1.3	6	98	m	s&w	t	sp	pr	6	2
117908	Braz.	8	t	8	39	15	8	m	55	w&pr	r	11.0	2.5	7	92	m-1	s&w	gn	sp	pr	6	1-1
119794	Argent.	7	d	7	20	15	7	m	54	w	f	6.0	1.4	6	88	m	s&w	l	gn		8	3
121978	India	7	t	7	31	9	7	l	53	w	f	6.0	1.4	7	92	s-m	s	t-l	gn		7	5
123246	India	8	t	8	44	11	8	l	54	w&pr	f	6.5	1.3	6	88	m	s&w	gn&t			8	1
123556	India	4	t	5	31	13	5	m	55	w	f	6.0	1.0	7	88	s	s	t&l	gn		6	3
124478	India	5	t	7	39	8	8	m	53	w	f	6.5	1.6	7	88	s-l	s&w	t&d	gn		7	1-3
124479	India	4	t	4	26	12	5	l-m	52	w	f	6.3	1.4	6	92	s-m	s	t			6	4
125672	Aust.	8	t	9	30	8	9	m	51	pr	f	7.3	1.5	7	98	m	s	t	sp	br	6	0-2
125839	Afgh.	8	t	8	25	10	8	l	59	pr	f	5.2	1.0	9	88	s	w	gn	sp	br	7	3
125839A	Afgh.	8	t	8	27	9	8	m	55	pr	f	5.2	1.0	8	88	s-m	w	gn			8	1-2
125839B	Afgh.	6	t	7	27	11	8	l-m	56	pr	f	5.3	1.0	8	88	s	w	m	gn		6	3-5
137118	Can.	8	t	8	31	15	8	d	54	pr	f	7.0	1.2	9	88	m-l	w	br&gn			9	5
137119	Can.	7	t	7	26	12	8	d	53	pr	f	7.0	1.2	9	85	s	s&w	br&gn			8	3-6
140165	Afgh.	6	t	6	32	10	7	l-m	53	pr	f	6.5	1.5	6	92	s-m	s&w	gn&t			6	7
141966	Man.	8	t	9	38	10	8	d	56	w	r	8.0	1.8	8	92	m	w	l-m	gn		7	4
142441	Peru	8	t	8	43	15	6	m	56	w	f	5.7	1.3	6	92	m	s	t-m	gn		6	6
142776	Mex.	5	t	4	25	15	5	m	60	w	f	6.5	1.6	7	85	m	s	l	gn&t		2	8
155109	R.I.	8	t	9	51	14	7	m	53	pr	r	8.5	1.9	8	92	l	w	m	gn		7	5-6
163131	India	6	t	6	25	7	7	l	49	pr	r	4.8	.9	8	79	s	s	gn	sp	br	7	3
164304	India	6	d	5	22	8	5	l	47	w	r	3.8	.8	4	79	s	s	t&gn			6	4
164612	India	8	t	9	45	12	8	m	51	w&pr	f	6.0	1.5	6		s	s	gn&br			6	0-2
166187	India	9	t	9	44	15	9	m	59	pr	f	6.5	1.7	5	92	m-l	s&w	gn&br			4	0-1
167204	Tur.	7	t	7	48	15	9	m	60	w	f	6.6	1.5	8	98	m	w	t&dk	gn		2	8
167205	Tur.	8	t	9	40	16	9	m	60	pr	f	6.0	1.5	5	98	m	s	gn	sp	pr	5	1-3
167253	Tur.	7	t	7	26	12	7	m	60	pl pr&pr	f	4.4	0.8	7	92	s	s&w	gn	sp	br	7	7
169604	Tur.	8	t	8	40	15	8	l	51	pr	r	6.1	1.7	4	92	m-l	w&s	gn	sp	br	4	7-9
169606	Tur.	9	t	9	40	15	9	m	60	pr	f	7.0	1.3	8	98	m-l	s&w	l&m	gn		8	1-4
171812	Tur.	7	t	7	40	13	6	m	56	pr	f	6.5	1.4	7	92	m-l	w	m	gn		3	3-9
173779	Tur.	7	t	8	31	13	8	m	53	w	f	6.4	1.3	4	92	s	s&w	t&br			5	3-7

Pea con't.

Pea con't.		Days to										Ovules Days		Seed		Virus			
P.I.No.	Orig.	Unif.	Hab.	Vig.	Plt. Ht.	Nodes	Lfy.	Col.	Blm.	Flw.	Dbl.	Pod Size Lgth.xWth.	per Pod	to Harv.	Sz.	Surf.	Col.	Set	Virus
174320	Tur.	7	t	8	33	8	8	m	57	w&pr	f	6.3 1.4	7	92	m-l	s&w t&m	gn	4	5-9
174917	India	5	d	5	15	7	5	l	51	pr	r	4.2 1.1	7	79	s	s d	gn	7	9+
175230	India	6	d	6	23	11	5	l-m	51	pr	r	4.4 .9	5	79	s	s gn sp	br	6	4
179457	Tur.	4	d	3	14		5	m	62	w	f	6.7 1.5	6	85	s	s t		1	5
179459	Tur.	7	t	8	37	12	7	m	60	w	r	7.1 1.6	7	92	s	s t		7	5-8
179969	India	5	t	3-6	23	11	6	m	47	pr	r	3.9 .9	5	85	s-m	s gn sp	br	6	6-9
180470	India	5	t	6	28	13	6	l-m	56	w&pr	r	4.9 1.1	6	85	s	s d gn&d	br	5	9
180694	Ger.	7	t	7	22	17	8	d	66	pr	r	4.7 0.9	6	98	s	s d	gn		3
180696	Ger.	7	t	6	31	10	5	m	51	w	r	6.4 1.7	6	85	m	s t		2	5
180702	Ger.	7	t	8	41	16	7	d	56	w&pr	f	5.6 1.1	8	92	s-m	s&w m gn&t		5	3
181799	Tur.	8	t	7	29	13	7	d	53	w	r	9.0 1.5	8	91	l	w l-m	gn	8	5
181801	Syria	7	t	8	42	16	7	m-d	53	w&pr	r	7.9 1.3	8	91	m	s&w t&m	gn	8	5
181958	Syria	8	t	9	40	11	8	m	54	w	f	7.6 1.8	9	92	m-l	s l-m	gn	7	4
183910	Tur.	8	t	8	31	9	8	m	57	pr	f	4.6 .9	8	91	m	s&w t&m	gn	8	3-6
184128	Yugo.	7	t	8	36	10	8	l-m	53	w&pr	r	8.2 1.3	8	91	s-m	s&w t&m	gn	7	5
195024	Ethio.	7	t	7	32	15	7	m	64	pr	r			98	m	s&w pl	gn		4
197988	Neth.	4	d&t	5	12-35	11-15	5	m-d	58	w	r&f	5.5 1.5	6	79	s	s m	gn	2	1-6
197989	Neth.	4	d	5	16	14	6	l-d	60	w		6.5 1.4	6	85	m	w l-m	gn	6	
197990	Neth.	8	d	8	23	8	8	l-m	45	pr	f	7.5 1.6	7	85	s-m	s m-d	gn	6	9
	'Vince'										f	7.5 1.7	5	91	l	w gn sp	br	9	6
198072	Swe.	7	t	3	42	15	7	m-d	55	pr	f	6.6 1.2	7	91	l	w m	gn	8	3-6
201497	Nex.	7	t	7	40	13	7	m	58	w	f	6.6 1.5	6	91	s-m	s t		7	4-9
202049	Argent.	7	t	7	34	13	5	m	60	pr	f	10 2.2	9	98	m-l	w gn		6	3-6
203065	Fin.	7	t	7	24	14	7	m-d	60	w	f	5.8 1.2	7	98	s-m	s pl	gn	7	4-9
203067	Fin.	6	t	6	32	12	5	m	53	w	f	6.7 1.6	7	91	s	s l-m	gn	7	5-9
206786	Wisc.	5	t	5	33	5	5	l-m	44	w	r	8.0 1.8	8	85	l	w t&m	gn	5	9
	'Sutton's Delicacy'																		
206787	Wisc.	8	t	9	48	13	8	l-m	51	w	r	10.0 1.9	7	91	m-l	s&w t&l-m	gn	8	3-9
206814	'Lord Leicester'																		
206814	Wisc.	5	d	4	14	13	4	d	60	w		6.0 1.0	4	93	m-l	w m	gn	1	9
206833	'Mayor of Leicester'																		
206833	Wisc.	4	d	4	15	15	5	d	60	w	f	7.3 1.7	5	85	m	w -gn		3	9
	3 plants in row.																		
206988	Tur.	8	t	9	37	15	8	m	58	pr	f	5.5 1.3	7	98	s-m	w t sp	br	8	2
	Edible podded.																		39

Pea con't.		Plt.		Days to		Ovules		Days		Seed		Set Virus	
P.I.NO.	Orig. Unif. Hab.	Vig.	Ht.	Lv.	to Blm.	Flw. Col.	Pod Size	per Pod	to Harv.	Sz.	Surf.	Col.	
209506B	C. Rica 7	8	40	8	14	w	6.0	1.4	7	94	s-m	w&s t&m-d	g 8 2
Stucco pods.													
210569	Fin. 7	7	29	7	14	w	6.2	1.2	8	94	s	t&gy gn	6 7
'Sivikka'													
210614	Wisc. 5	4	22	4	14	w	8.8	1.9	5	93	1	w 1-m gn	3 9
210614S	Wisc. 4	5	26	6	12	w	8.2	2.0	6	93	1	w 1 t-1 gn	5 9
210624	Wisc. 7	8	26	7	9	w	7.2	1.8	8	91	m	w 1-m gn	9 2
'Early Perf. No 312'													
210636	Iowa 4	4	13	4	9	w	8.1	2.2	4	91	s-m	w 1-m gn	5 9+
210637	Iowa 4	4	14	4	13	w&pr	7.0	1.3	5	93	m-1	w pl gn	1 9
'Giant Stride'													
210638	Wisc. 7	7	42	6	14	w	6.6	1.6	5	85	s-m	s&w d gn&t	7 6-9
210652	Wisc. 7	7	35	8	16	w	4.7	1.1	6	94	s	s t	0-1
'Irkutsk Field No. 290'													
210656	Wisc. 6	6	18	6	4	w	8.6	2.0	6	85	1	w&s m gn&t	7 8
210684	Iowa 6	7	24	7	11	w&pr	8.0	1.6	7	91	s-m	s&w t&m gn	5 7
'President Wilson'													
212916	India 8	9	46	7	16	w	6.7	1.5	5	91	m	s m gn&t	9 5
222534	Wisc. 6	6	41	6	9	w	5.6	1.5	6	91	s-m	s m-d gn	7 5
'Delwicke Early Scotch'													
234203	Peru 5	5	37	5	16	w	7.5	1.5	4	91	m	s&w t&m gn	6 6
235356	Peru 5	5	27	6	14	w	7.6	1.5	5	94	m-1	w&s t&m gn	7 7
236441	Swe. 4	4	27	5	18	w	6.0	1.2	5	94	1	s br&gn	7-9
'Lamprecht #241'													
240513	India 7	8	34	8	7	w&pr	7.2	1.5	6	85	m-1	s&w m gn	7 7
240514	India 6	7	21	7	12	w	7.0	1.5	8	91	s-m	w t&l gn	8 5
242028	Den. 7	7	29	7	13	w&pr	6.7	1.3	6	98	s-m	w gn sp br	5 6
244055	Yemen 8	8	16	8	6	pr	4.4	1.1	4	79	s-m	s&w br gn	8 5
244091	Neth. 5	6	36	6	9	w	6.1	1.6	5	85	m	s t&l gn	8 3-7
'Alpha'													
244098	Neth. 5	5	14	6	13	w	7.1	1.7	6	91	m	s t&d gn	7 7
'Batts Wonder'													
244099	Neth. 5	5	38	5	12	w	8.2	1.7	6	94	m-1	s 1 gn&t	6 5-9
'Belle de Chantenay'													
244103	Neth. 5	5	23	6	9	w	7.3	1.5	7	91	m	s m-d gn	6 6-9
'Brunsviga'													

Ovules Days

P.I.No.	Orig.	Unif.	Hab.	Vig.	Ht.	Plt.	Nodes	Lfy.	Lv.	Days to Flw.	Dbl.	Pod Size.		Ovules		Days to Harv.	Seed					
												Lgth.	xWth.	Pod	per		Sz.	Surf.	Col.	Set		
																					Days	to
244115	Neth.	6	d	6	16		12	7	d	60	w	f	9.5	1.7	9	91	s-m	s&w	l-m	gn	7	6
	'Clause 50'																					
244139	Neth.	7	t	8	36		15	7	l	56	w	r	6.0	1.2	5	91	s-m	w	t		8	4
244143	Neth.	7	d	7	13		14	8	d	60	w	f	7.6	1.5	7	91	m	s	m-d	gn	8	4
244146	Neth.	5	d	5	14		11	6	m	60	w		9.5	2.0	7	94	m-l	w	t-l	gn		6
	'Furore'																					
244150S	Neth.	7	t	7	32		12	7	l-m	53	pr	r	11.0	2.1	9	91	l	w	m	gn-t	7	6
244151	Neth.	4	5	4	29		18	5	l-m	67	w		6.0	1.1	6	93	m	w	t-l	gn	1	8
	'Goudvaantge'																					
244152	Neth.	7	d	7	10		9	8	m	50	w	f	8.5	1.4	9	91	m	w	l-m	gn	8	7
	'Greca'																					
244154	Neth.	6	d	6	19		13	7	l-m	60	w	f	5.9	1.0	6	93	m	s	t		4	4-6
	'Grote Slier'																					
244156	Neth.	6	t	6	35		8	7	m	45	w	r	7.4	1.6	7	85	m-l	s	l-m	gn	8	2
	'Haarsteegse'																					
244187	Neth.	6	t	6	23		13	6	m	58	w	r	6.6	1.4	8	91	s	s	t&l-m	gn	7	3
	'Michoux Ordinaire'																					
244189	Neth.	6	t	6	28		16	6	l-m	60	w	r	9.0	2.0	7	94	m	s&w	m	gn&t	5	7
	'Moerheims Reusen'																					
244202	Neth.	7	t	7	30		7	7	m	45	w	r	6.4	1.3	4	85	m	w	l-m	gn	9	5
	'Pacemaker'																					
244212	Neth.	8	t	8	28		13	8	m	59	w	f	5.5	1.1	5	98	m	s	gy	gn	5	3
	'Rasper Groene'																					
244213	Neth.	6	t	7	27		13	7	m	60	w	f	5.4	1.1	5	105	m	s	t-l	gn		1
	'Rasper Ruige Gele'																					
244216	Neth.	6	t	5	34		9	5	m	45	w	r	8.1	1.6	6	91	m-l	s&w	t&m	gn	6	6
	'Reuzen Mei'																					
244217	Neth.	6	t	6	42		11	6	l	51	w	r	12.0	1.5	6	93	m	w	gn		6	6
	'Reuzenbouden Gekreukt'																					
244221	Neth.	8	d	8	12		8	8	m-d	45	w	r	8.0	1.4	5	85	m-l	s	t		6	4
	'Rigi'																					
244223	Neth.	8	t	8	26		7	8	d	45	w	f	9.5	1.5	8	91	m	s&w	l-m	gn	7	3
	'Roides Fins Verts'																					
244234	Neth.	6	t	6	26		13	6	m	45	w	f	8.2	1.5	8	91	m-l	w	l-d	gn	8	2
	'Serpette Express a Grain Vert'																					

Pea con't.

Ovules Days

Days

Plt.

P.I.No.

Orig. Unif. Hab.

Vig.

Nodes

Lfy.

Lv. Col.

Blm.

Flw. Col.

Dbl.

Pod size
Lgth.xWth.

per

to

Harv.

Sz.

Surf.

Col.

Set

Virus

P.I.No.	Orig. Unif. Hab.	Vig.	Plt. Ht.	Nodes	Lfy.	Lv. Col.	Blm.	Flw. Col.	Dbl.	Pod size Lgth.xWth.	per	to	Harv.	Sz.	Surf.	Col.	Set	Virus
244237	Neth. 8 'Seigerin'	8	22	12	8	m-d	52	w	f	7.8	1.4	9	91	m	w	t&m gn	8	2-3
244242	Neth. 8 'Stens'	9	39	10	8	m	64	w		6.5	1.5	5		1	w	t&l gn	5	2
244244	Neth. 6 'Suikerzoete'	6	30	13	7	m	57	w	r	8.5	1.7	5	93	m-l	w	l-m gn	7	6
244247	Neth. 7 'Tidriga Stens'	6	38	14	7	m-d	51	w	f	8.0	1.6	7	91	m-l	w	t&d gn	5	6
244249	Neth. 6 'Uberreich'	5	30	9	5	1	45	w	r	7.0	1.5	7	79	m	s	m-d gn	6	5
244251	Neth. 6 'Universalis'	7	36	9	6	1-m	45	w	f	6.1	1.2	5	91	s-m	s	t	7	3-6
244265	Neth. 8 'William Hurst'	8	12	8	7	m	45	w	f	6.3	1.5	6	85	m-l	w	l&m gn	7	8
249642	India 8	9	36	10	8	m	54	w	f	6.1	1.4	8	93	s-m	s&w t		8	1
249647	India 8	8	30	12	8	m-d	59	w	f	7.0	1.3	6	91	m-l	w	l&m gn	9	0
250439	Czech. 6	5	33	11	6	m	48	w	f	7.5	1.5	6	93	s	w&s	l-m gn	2	4
250444	Czech. 8	8	21	9	7	d	45	w	f	7.7	1.7	5	79	m-l	w	l-m gn	7	5
257492	Swed. 7	7	36	15	7	1	56	w	r	5.8	1.2	8	85	m	s	t&l gn	6	9
261623	Sp. 8	9	33	16	8	1-m	60	pr		7.5	1.1	5-6	98	m-l	s	l gn	5	1-3
261664	Neth. 5	4	32	9	6	1	64	w					93	s-m	s	t	9	9
261667	Neth. 7	7	23	7	8	m	67	pr	r	4.7	1.0	6	98	s	s	m gn	3	7
283024	Fr. 8	8	21	7	8	d	45	w	r	5.6	1.2	5	85	m	s	m-d gn	8	6
288030	Fr. 7 'Primcovert'	8	24	9	7	m	47	w	f	7.0	1.4	5	0	,	s	m-d gn	7	5
288031	Fr. 7 'Supcovert'	8	22	8	8	m	49	w	r	5.8	1.3	7	85	s	s	m gn	8	6
299023	It. 8 'Voicovert'	8	30	14	7	1	64	pr		4.5	1.0	6	93	s	s	gn sp br	6	7
299024	It. 7	7	28	17	7	1	60	pr					93	s	w	d gn	4	3-7
304533	Tur. 8	9	31	8	8	1	58	w&pr	r	5.6	0.9	9	93	s	s&w	br&gn	4	9
304603	Hung. 7	6	26	13	6	1	60	pr	r				93	s-m	w	gn&br	8	7
306490	Hung. 7	7	27	7	6	1	49	pr	r	5.7	1.0	5	79	s	s&w	d gn	6	7
306591	Hung. 7	8	33	15	8	m	64	pr	r	6.0	1.0	7	98	s-m	s	m gn	6	5
306592	Hung. 5	5	34	10	6	m	60	pr	r	5.5	1.1	7	93	s	s	m gn	5	3-6
308796	India 6 'Slyvia'	7	32	12	6	m	56	w	r	9.0	1.2	6	93	m	s&w	t&m gn	7	2-6

Pea con't.

P.I.No.	Orig.	Unif.	Hab.	Vig.	Ht.	Plt.	Days			Ovules Days			Seed			Set	Virus						
							Lv.	to	Bln.	Flw.	Col.	Dbl.	Pod Size		Pod			per	to	Harv.	Sz.	Surf.	Col.
													Lfy.	Nodes									
331412	Ethio.	5	t	5	33	15	5	1-m	58	pr	f	6.6	1.2	8	91	91	s m	w	t&m	gn	7	3-6	
331413	Ethio.	7	t	8	39	12	8	m	56	w&pr	f	6.4	1.3	6	91	91	m-l	s	t&m	gn	9	2-5	
340124	Tur.	6	d	6	22	16	6	1-m	60	pr	i	5.7	1.1	6	91	91	s-m	w	m-d	gn	7	2-8	
340125	Tur.	6	d	6	24	13	6	1-m	64	pr	f	4.8	.7	6	93	93	s	s	gn	br	1	9+	
340126	Tur.	6	d	5	22	10	6	1-m	60	pr	r	5.3	.9	7	93	93	s	w	br		3	9	
Pods tightly packed.																							
340127	Tur.	6	d	6	24	18	7	1-m	64	pr	f	3.9	0.7	7	93	93	s	w&s	d	gn		7	
340128	Tur.	6	d	6	21	14	7	1-m	64	pr	r	4.4	0.8	6	93	93	s	s	ny	gn	1	9	
340129	Tur.	6	d	5	21	16	5	1-m	64	pr	f	4.0	0.8	6	93	93	s	s	d	gn	1	7	
340130	Tur.	6	d	6	21	16	5	1-m	60	pr	i	5.7	1.0	7	93	93	s	s	m	gn	4	7	
341888	Neth.	6	d	7	15	7	5	m	45	w	r	6.2	1.3	7	79	79	m	w	l-m	gn	5	6	
'Cennia' Very early																							
341889	Neth.	7	d	7	22	13	8	d	56	w	i	9.2	1.6	10	85	85	m	w	l-m	gn	9	0-1	
'Elwy'																							
341890	Neth.	5	d	5	13	8	5	m-d	45	w	f	6.4	1.5	6	79	79	m-l	w	l-m	gn	7	4	
'Honey'																							
341891	Neth.	6	d	4	12	7	4	1-m	45	w	f	6.4	1.3	7	79	79	s-m	s	l-m	gn	6	4	
'Onyx'																							
G-19169	Can.	5	t	6	29	14	5	1-m	57	w	f	5.9	1.1	7	91	91	s-m	s&w	t&m	gn	2	8	
'Michauxii' Res. to root rot.																							

Standard cultivars included for comparison

G-12129	Gen.	5	t	5	43	9	6	m	44	w	r	7.5	1.6	6	s-m	w	gn	7	0-1
N.Y. 'Surprise 60'																			
G-17407	H-157	6	t	7	30	8	7	d	44	w	r	7.0	1.7	5				4	6
Harris 'Freezonian'																			
H-168	Harris	8	d	8	24	12	8	m-d	52	w	r	8.7	1.6	8	s-m	w	gn	8	8
Lincoln Harris																			
G-17408	H-184	9	t	9	31	13	8	d	53	w	f	7.7	1.7	7	m-l	w	gn	9	0
Harris 'Perfected Freezer 30'																			
G-19079	Harris	7	d	8	24	10	8	d	52	w	f	8.0	.6	6	m	w	gn	8	2
H-170 'Little Marvel'																			
G-19080	Harris	8	t	9	30	10	8	d	53	w	r	8.0	1.5	7	m	w	gn	9	0
H-194 'Wando'																			

TREES, SHRUBS, FRUITS and ORNAMENTALS

1969 Descriptions and Evaluations

Kindly submit requests before April 10, 1970.

Col.	3	Uniformity:	9=very	5=medium	1=poor
Col.	4	Habit:	9-erect	5-medium	1=prostrate
Col.	5	Vigor:	9=very	5=moderate	1=poor
Col.	6	Plant height and width in inches.			
Col.	7	Number of branches.	m=many		
Col.	8	Bark color: br=brown	r=red	gn=green	pr=purple
Col.	9	Number of leaves.		t=tan	gr=grey
Col.	10	Length and width of leaf in centimeters.			lt=light
Col.	11	Leaf surface:	s=smooth		dk=dark
Col.	12	Leaf margin:	s=serate	r=rugose	
Col.	13	Leaf color: gr=grey	gn=green	bl=blue	pr=purple
Col.	14	Date 50% of plants in row in full bloom.		lt=light	dk=dark
Col.	15	Flower diameter in centimeters.			r=red
Col.	16	Flower color: w=white	v=variable	y=yellow	pr=purple
Col.	17	Amount of bloom:	9=much	5=moderate	orc=orchid
Col.	18	Fruit depth and diameter in centimeters.			pk=pink
Col.	19	Fruit shape: gl=globe	ov=oval	dp=deep	l=little
Col.	20	Fruit color: r=red	bl=blue	gn=green	c=cone
Col.	21	Date when fruit ripe.		t=tan	ob=oblong
Col.	22	Winter hardiness)		dk=dark	
Col.	23	Spring recovery)	9=excellent	5=medium	l=poor

P.I.NO.	Orig.	Unif.	Hab.	Vig.	Ht.	xWth.	Br.	Color	No.	Barb	Leaf	No.	Lgth.	Wth.	Surf.	Marg.	Col.	Blm.	Diam.	Flower	Amt.	Fruit	Depth	Diam.	Shape	Col.	Ripe	WH	SR
SMALL FRUITS																													
Actinida polygama																													
316959	Korea	5	4	4	31	37	10	dk	br	4	7.0	4.5	r	e	dk							8	9						
Fragaria chiloensis																													
G-12352	Neth.	8	3	7	11	35	-	-	7	7.2	5.7	r	s	dk															
IVT 56-11 Very susceptible to powdery mildew and mycosphorella leafspot.																													
G-12475	N.Y.	4	5	5	7	19	-	-	8	6.3	6.0	r	s	dk															
'Gorham Everbearing' Selected for firm fruit - seedlings, glossy leaves.																													
G-12475	N.Y.	4	5	4	8	27	-	r	br	6	8.0	7.5	r	s	dk	7-1	2.2	w		7									
Mother plants - selected for firm fruits. 'Gorham Everbearing'																													
G-12475	N.Y.	6	5	6	11	25	-	r	br	7	8.3	7.2	r	s	dk	7-1	2.2	w		7									
Mother plants - selected for earliness 'Gorham Everbearing'																													
G-12475	N.Y.	4	5	3	10	21			6	8.0	7.5	r	s	dk	7-1	2.2	w		7										
Firm fruited selection.																													
264680	Ger.	3	4	6	10	45	-	-	6	6.0	4.0	r	s	dk															
'Senga Sengana' Seedlings Powdery mildew free, susceptible to mycosphorella leafspot.																													
264680	Ger.	3	3	4	9	17	-	-	4	5.8	5.3	r	s	dk															
D. D. Dolan Sel. #1.																													
264680	Ger.	9	6	9	14	45			9	8.0	7.2	r	s	dk															
Early selection. 'Senga Sengana' Best strawberries in field.																													
264680	Ger.	6	5	4	10	32			4	8.5	7.5	r	s	dk															
D. D. Dolan Selection. Good field resistance to powdery mildew and mycosphorella leafspot.																													
Fragaria hybrid																													
324182	Jap.	9	3	9	10	58	-	-	6	7.5	5.5	r	s	m	6-22	1.7	w		6	3.9	2.6	ov	r			7-12	9	9	
'Benizuru'																													
324183	Jap.	7	3	6	10	55	-	-	6	8.8	7.2	r	s	d	6-22	1.7	w		5	4.0	2.6	or	r			7-12	5	3	
'Fukaba'																													

P.I.No.	Orig.	Unif.	Hab.	Vig.	Ht.	xWth.	Br.	Color	No.	Bark	Leaf		Date Flower	Amt.	Fruit		Date
											No.	Lgth.			Wth.	Surf.	

SMALL FRUITS

Rubus

G-13180-S	Ohio	6	5	9+	75	120	m	r	br	9	9.5	8.0	r	s	dk	7-15	1.2	9	1.8	1.6	dp	gl	r	8-1	9	9
Firm root cuttings 66-26-14 Everbearing.																										
G-17833	Pa.	6	3	8	44	54	4	gn	6	9.0	7.0	r	s	m		6-25	-	7	2.4	2.0	c	bl	7-30	6	6	

Ponzer blackberry. St. Mary's, Pa.

69-29 N.Y.

Wellington Black Late

HERBACEOUS ORNAMENTALS

Belamcanda chinensis

G-17329	N.Y.	7	7	9	18	21	-	-	-	8	16	4.6	r	c	gr	gn	8-12	6.0	8	2.8	1.7	dp	gl	bl	9-27	9	7
Attractive.																											

Clematis orientalis

G-17847	Iowa	5	4	9	42	76	m	pr	7	5.0	3.0	f	d	m	7-6	3.0	y	6	1.2	1.3	gl	gn	8-5	9	9
Seeds globe and silky.																									

Iris sp.

200315	Korea	6	8	6	17	4	-	-	-	5	1.0	1.5	r	c	gr	gn								9	9
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Iris ensata v. spontanea

316053	Jap.	5	6	6	27	22	-	-	-	7	21	7.5	r	e	m	6-17	5.6	pr						5	6
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Iris rossii

316648	Korea	8	7	9	30	27	-	-	-	-	17	1.5	r	e	bl	gn								8	7-9
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P.I.No. Orig. Unif. Hab. Vig. Ht. xWth. Br. Color No. Bark Leaf No. Legth. Wth. Surf. Marg. Col. Blm. Date Flower Amt. Fruit Depth. Diam. Shape Col. Ripe WH SR

WOODY ORNAMENTALS
(shrubs)

Berberis thunbergii atropurpurea

G-17786 S-9 5 6 4 5 6 m t 6 2.4 1.3 sm e pr 9 9
'Nana' Reddish purple leaves.

Buxus koreana

G-17877 Can. 7 5 8 11 14 m gr 6 1.5 1.1 sm e dk 9 9
#27. Sheridan
G-17878 Can. 7 6 8 10 14 m gr-gn 8 1.8 1.1 sm e dk 7-5 8-8 8 9
#28. Some terminals killed back 1". Seeds globe, three horns blossom end.
G-17879 Can. 7 7 8 12 15 m gr 7 1.7 1.1 sm e dk 7-10 1.3 1.0 gl 8-10 7 9
#30. Some terminals killed back 1". Seeds globe, 3 horns on blossom end.
G-18177 N.Y. 8 6 9 16 22 m br 8 1.6 1.1 sm e m gn 8 9
Dansville, N.Y.

Buxus sempervirens

255075 N.Y. 6 7 9 17 9 12 gr 5 2.3 1.1 sm e dk 4 3-6

Buxus suffruticosa

G-17880 Can. 4 7 4 10 10 11 gr 5 1.8 1.1 sm e dk 9 9
hybrid #57.
G-17881 Can. 6 6 4 9 9 10 gr 6 1.9 1.0 sm e bl gn 9 9
hybrid #59.
G-17882 Can. 6 6 7 12 11 m gr-t 7 1.7 1.0 sm e dk 9 9
hybrid #77.

Buxus sp.

G-18999 N.Y. 7 7 6 13 12 6 t 6 1.9 1.1 sm e dk 1 1-2
'Glennwood'
G-19000 N.Y. 4 6 3 14 11 10 gn-t 4 2.0 1.0 sm e dk 3 0-2
Roberts Left Patio

<u>P.I.No.Orig.Unif.Hab.Vig.Ht.xWth.Br.Color</u>	<u>No.Bark</u>	<u>Leaf</u>	<u>Date Flower</u>	<u>Amt.</u>	<u>Fruit</u>	<u>Date</u>
		<u>No.Lgth.Wth.Surf.Marg.Col.Blm.</u>	<u>Diam.Col.</u>	<u>Blm.</u>	<u>Depth Diam.Shape Col.</u>	<u>Ripe WH SR</u>
<u>Buxus sp.</u>						
67-44 N.Y. 5 5 7 14 12 7 gr 5 2.3 1.3 sm e dk						6 3-5
Strain #2. O. F. Curtis.						
67-45 N.Y. 6 4 7 11 20 8 gr-rn 8 2.6 1.7 sm e dk						4 3-6
Roberts 4th level right. Very good spring recovery.						
67-46 N.Y. 5 4 7 11 23 6 gn 4 1.8 1.1 m e dk						3 1-4
Left Patio						
<u>Cotoneaster lucida</u>						
313962 USSR 9 7 8 19 18 6 br 8 7.2 4 r c r-gn						
Attractive						
<u>Cotoneaster racemiflora</u>						
313964 USSR 7 6 9 37 56 m br 9 5.5 3.0 sm e dk					1.3 1.2 gl dk r	9 9
<u>Erica cornea</u>						
68-7 N.Y. 5 6 6 7 4 7 br gn 16 1.0 0.2 sm e dk 6-24 0.3 pk					7 0.4 0.1 obl t	9-16 1 1
<u>Cornus paucinervis</u>						
294095 USA 7 6 6 14 18 6 gn-pr 4 4.5 1.2 sm e dk						--
<u>Juniperus conferta</u>						
G-14139 Pa. 5 3 3 5 14 5-8 br 2 m						1 1
<u>Juniperus horizontalis</u>						
G-14138 Pa. 7 2 7 5 20 m r-br 7 gr-gn						8 8
'Wiltonii'						
<u>Juniperus horizontalis v. argentea</u>						
G-14137 Pa. 8 3 6 7 21 m r-br 7 lt gn						5 2-4

[illegible]

P.I.No.	Orig.	Unif.	Hab.	Vig.	Ht.	xWth.	Br.	Color	No.	Bark	Leaf	Date	Flower	Amt.	Fruit		Date
															Depth	Diam.	

Viburnum sargentii

316681 USA 5 5 4 10 16 2 br 4 9.5 6.5 r e dk

'Susquehanna'

316680 USA 4 6 3 12 6 3 br 5 11.0 6.0 r e dk

'Onondaga'

Viburnum sieboldii

316682 USA 6 7 5 19 23 3 br 4 14.0 6.0 r e dk

'Seneca'

Viburnum rhytidophyllum x V. lantana

316675 USA 5 4 7 19 20 3 br 7 15 7 r e dk

'Alleghany'

WOODY ORNAMENTALS

(trees)

Malus Minn

G-17845 N.Y. 8 7 8 53 9 1-3 r-br 8

Budded on EM-26 Attractive

G-17845 Iowa 6 8 9 43 12 1-4 br 7 5 3.6 r e dk gn&r

Red foliage, seed collected from original plant. Attractive.

G-17845 Iowa 9 8 9 55 16 1-3 br 7 8 4.5 r e dk r-gn

Budded on Standard 60. Attractive.

G-17845 Iowa 9 7 8 50 14 1 br 6 8 4.5 r e dk r-gn

Budded on MM-106.

G-17845 Iowa 9 6 3 22 6 1 br 4 5.0 4.0 r e dk r-gn

Budded on MM 109.

G-17845 Iowa 6 7 6 43 6 1-3 br 5 8 5 r s dk

Seedlings - green foliage.

Malus sieboldii

325156 Md. 5 7 7 38 6 1-4 br 6 6 2 r s dk

'Fuji' Grafted on McIntosh 2-27-69.

P.I.No.Orig.Unif.Hab.Vig.Ht.xWth.Br.Color No. Bark Leaf Date Flower Amt. Blm. Fruit Date Ripe WH SR

Ulmus pumila arborea

297426 USSR	5	6	9	12'	9'	m	gr	9	10	5.5	r	s	dk				7	8
Some tip killing.																		
297427 USSR	5	6	8	11'	8.5'	m	gr	9	10.7	6.0	r	s	dk				9	9

